

Title (en)  
Protector

Title (de)  
Schutzvorrichtung

Title (fr)  
Protecteur

Publication  
**EP 1630920 A1 20060301 (EN)**

Application  
**EP 05018827 A 20050830**

Priority  
JP 2004251644 A 20040831

Abstract (en)  
A protector body is formed with a semi-annular portion. The semi-annular portion has an inner peripheral surface projected with a rib to engage with a trough portion of the corrugated tube. The lid is provided with a larger-diameter lid and a smaller-diameter lid depending upon a diameter of the corrugated tube. The larger-diameter lid is made symmetric in form with the semi-annular portion formed in the protector body while the smaller-diameter lid has a flange projecting, at both sides, from a semi-annular frame portion corresponding to a diameter of small-diameter corrugated tube and a rib, to engage in a trough portion of the corrugated tube, projecting in an inner peripheral surface of the semi-annular frame portion. The flange on both sides has a lock portion at tips thereof thus enabling locking with the locked portion of the semi-annular frame portion.

IPC 8 full level  
**H02G 3/06** (2006.01)

CPC (source: EP US)  
**H02G 3/0691** (2013.01 - EP US)

Citation (applicant)  

- JP H08168136 A 19960625 - SUMITOMO WIRING SYSTEMS
- JP H08182146 A 19960712 - SUMITOMO WIRING SYSTEMS

Citation (search report)  

- [X] US 6211465 B1 20010403 - STREIT BERNARD [FR]
- [X] US 5444182 A 19950822 - HOSHINO KAZUHIRO [JP]
- [DA] DATABASE WPI Section PQ Week 199638, Derwent World Patents Index; Class Q67, AN 1996-377811, XP002358655

Cited by  
CN106207891A

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 1630920 A1 20060301; EP 1630920 B1 20090422**; DE 602005014053 D1 20090604; JP 2006074844 A 20060316; JP 4299211 B2 20090722; US 2006090916 A1 20060504; US 7119275 B2 20061010

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